

## Certificate of Analysis

Date of Testing: 2025-01-13 16:15:30

Date of Next Testing: 2028-01-13 16:15:30

Product Name: **N-butyryl-L-Homoserine lactone**

CAS Number: 67605-85-0

Specifications & Purity:  $\geq 98\%$

Lot #: A2510058

SKU #: **N336049**

Version: **2**

Analysis #: **102484**

Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                               | Limit Values             | Result                   |
|---------------------------------------------------------|--------------------------|--------------------------|
| Purity(HPLC)                                            | 98-100 (%)               | 98.14500 %               |
| Specific rotation $[\alpha]_{20/D}$ (C=1% , Chloroform) | 18-20 ( $^{\circ}$ )     | 19.98000 $^{\circ}$      |
| Proton NMR spectrum                                     | Conforms to structure    | Conforms to Structure    |
| Appearance(N336049)                                     | White to Off White Soild | White to Off White Soild |



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